

ABSTRACT OF THE DISCLOSURE

5 A filtering system for filtering particles from a flow of fluid
is disclosed, and includes a filter device for removably positioning
in a lumen of a pipe carrying the flow of fluid. The filter device
has an upstream side for positioning in an upstream direction of
fluid flow and a downstream side for positioning in a downstream
10 direction of fluid flow. The filter device comprises a perimeter rim
extending along the perimeter edge of the filter device and defining
an opening, and a plurality of filter bars extending across the
opening to form a plurality of slots therebetween. Each of the
filter bars of the plurality of filter bars has a transverse cross
15 sectional shape. The transverse cross sectional shape has a
transverse width toward the upstream side of the filter device that
is relatively wider than the transverse width toward the downstream
side of the filter device.